

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5719	385/1,2,3,8,10,14,16.ccls.	USPAT	OR	ON	2008/01/17 11:39
L2	265	1 and (MZI (Mach adj1 Zehnder)) same ((double dual "two" second couple pair) near9 (electrode heater heat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:39
L3	26	2 and (time period\$7 cycle duration span temperature) same ((adjust\$4 vary\$3 vari\$3) near7 (signal current power voltage) with (electrode heater))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:44
L4	15	3 and (peak amplitude range region regime value) same (constant steady state status stable balanc\$4 fixed equilibrium stabiliz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 11:49
L8	0	"EP 0674210 B1"	EPO	OR	ON	2008/01/17 15:45
L9	0	"EP 0674210 B1"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 15:45
L10	0	" 0674210 B1"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 15:46
L11	2952371	EP "0" "674210" B1	EPO	OR	ON	2008/01/17 15:48
L12	756	11 and (optical adj2 modulator)	EPO	OR	ON	2008/01/17 15:48
L13	630	11 and (optical adj1 modulator)	EPO	OR	ON	2008/01/17 15:49
L14	2952371	EP "674210" B1	EPO	OR	ON	2008/01/17 15:49
L15	2952371	(EP "674210" B1)	EPO	OR	ON	2008/01/17 15:49
L16	0	(674210B1)	EPO	OR	ON	2008/01/17 15:50
L17	4652	("674210" B1)	EPO	OR	ON	2008/01/17 15:50
L18	1	17 and (optical adj1 modulator)	EPO	OR	ON	2008/01/17 15:50

## EAST Search History

L19	1	((control\$6 adjust\$5 monitor\$4) same (optoelectronic "thermo-optic" MZI (Mach adj1 Zehnder)) same ("rise time" rise time period\$7 cyle duration) same (first second third) same (optic\$4 fiber waveguide path signal) same (amplitude level regime region target) same (start\$4 begin\$5 end stop) same (refractive phase "phase difference" difference) same (high low equal unequal steady stabilizing constant stable balanc\$4 fixed equilibrium)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 17:12
L20	1	((control\$6 adjust\$5 monitor\$4 set\$4) same (optoelectronic "thermo-optic" MZI (Mach adj1 Zehnder)) same ("fall time" (fall adj2 time) time period\$7 cyle duration) same (first second third) same (optic\$4 fiber waveguide path signal) same (amplitude level regime region target) same (start\$4 begin\$5 end stop) same (refractive phase "phase difference" difference) same (high low\$4 equal unequal steady stabilizing constant stable balanc\$4 fixed equilibrium)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/17 17:27
S1	5	("5173956", "6215918", "6233070", "6278822", "6351578").pn.	USPAT	OR	ON	2008/01/14 17:23
S2	1	"20060088239"	US-PGPUB	OR	ON	2008/01/14 14:11

## EAST Search History

S3	2747	"20030098759" "20040101248" "20050105917" "20050147341" "20050203711" "20050228604" "20050234661" "20050234662" "20050234666" "20050256651" "20060088239" "20060216200" "20070025658" "20070047969" "20070147724" "4058722" "4070094" "4084191" "4111521" "4125316" "4243991" "4251130" "4257111" "4259016" "4266850" "4280827" "4285569" "4286240" "4293858" "4294513" "4313192" "4325636" "4344053" "4357612" "4358731" "4386424" "4392255" "4395686" "4400813" "4410236" "4423421" "4427938" "4436368" "4447116" "4458219" "4461178" "4471313" "4497544" "4499393" "4499474" "4506234" "4516271" "4549310" "4553268" "4554550" "4554551" "4559281" "4560246" "4564824" "4573795" "4575180" "4586381" "4589728" "4595926" "4599584" "4614919" "4755021" "4755828" "4758841" "4770483" "4773758" "4775770" "4783663" "4784454" "4787714" "4792998" "4793676" "4798437" "4817106" "4825219" "4839663" "4841261" "4866233" "4868488" "4870376" "4871235" "4872020" "4875026" "4878724" "4880288" "4887884" "4889402" "4890490" "4903275" "4906952" "4907008" "4914443" "4916458" "4920954" "4932738" "4935723" "4936644" "4947401" "4950318" "4952873" "5021797" "5187486" "5191338" "5191625" "5193128" "5199086" "5208817" "5221908" "5223850" "5223911" "5226320" "5249243" "5274839" "5278924" "5321503" "5349316" "5369718" "5389783" "5408544" "5420684" "5424737" "5444689" "5459604" "5467418" "5479552" "5488503" "5490133" "5495359" "5497385" "5499135" "5519802" "5521735" "5528208" "5541612" "5561397" "5581345" "5606737" "5612702" "5642121" "5652807" "5694220" "5703531" "5742714" "5751872" "5802222" "5821906" "5822108" "5841919" "5841927" "5845022" "5862288" "5874867" "5878066" "5880698" "5896219"  "5940347" "5940548" "5966207" "5977930" "5999308" "6005708" "6014064" "6014477" "6021248"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/01/14 16:03
1/17/2008 5:29:39 PM					Page 3	

## EAST Search History

S4	298	S3 and (MZI "Mach-Zehnder interferometer" (heat\$5 same modulat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 17:36
S5	18	S4 and ((double dual "two" couple pair) near9 heat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 17:37
S6	3	("5117470"   "5940548"   "6580862").PN. OR ("6870979"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/14 16:54
S7	1	S5 and ((rise raise fall) near7 (time period)) same (amplitude refractive) same (phase differ\$7 equal "same")	USPAT	OR	ON	2008/01/16 14:32
S8	41756	(MZI "Mach-Zehnder interferometer" (heat\$5 same modulat\$4) (thermo near3 optic\$3) "thermo-optic")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:28
S9	7816	S8 and ((double dual "two" couple pair) near9 heat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/14 17:37
S10	26	S9 and ((rise raise fall) near7 (time period)) same (amplitude refractive) same (phase differ\$7 equal "same")	USPAT	OR	ON	2008/01/14 17:38
S11	329	(MZI (Mach adj1 Zehnder)) with ((double dual "two" second couple pair) adj5 (electrode heater))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:25
S12	0	S11 and (time with temperature same (adjust\$4 vary\$3 vari\$3) near7 (signal current power voltage) with (electrode heater))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:32
S13	1128	(time with temperature same (adjust\$4 vary\$3 vari\$3) near7 (signal current power voltage) with (electrode heater))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:25
S14	0	S13 and (MZI (Mach adj1 Zehnder)) same ((double dual "two" second couple pair) adj5 (electrode heater))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:26

## EAST Search History

S15	0	S13 and (MZI (Mach adj1 Zehnder)) same ((double dual "two" second couple pair) near9 (electrode heater heat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:27
S16	902	(MZI (Mach adj1 Zehnder)) same ((double dual "two" second couple pair) near9 (electrode heater heat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:30
S17	46150	(MZI "Mach-Zehnder interferometer" (Mach adj2 Zehnder) (heat\$5 same modulat\$4) (thermo near3 optic\$3) "thermo-optic")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:29
S18	15969	S17 and ((double dual "two" second couple pair) near9 (electrode heater heat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:31
S19	4374	S17 same ((double dual "two" second couple pair) near9 (electrode heater heat\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 14:31
S20	8	S19 and ((time period) same (rise raise fall temperature) same ((adjust\$4 vary\$3 vari\$3 control\$4) near7 (signal current power voltage) with (electrode heater)) same (amplitude refractive) same (phase differ\$7 equal "same"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 16:30
S21	24	S18 and ((time period) same (rise raise fall temperature) same ((adjust\$4 vary\$3 vari\$3 control\$4) near7 (signal current power voltage) with (electrode heater)) same (amplitude refractive) same (phase differ\$7 equal "same"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 18:11
S22	100	S18 and ((time period) same (rise raise fall temperature) same ((adjust\$4 vary\$3 vari\$3 control\$4) near7 (signal current power voltage temperature) same (electrode heater)) same (amplitude refractive) same (phase differ\$7 equal "same"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 17:57

## EAST Search History

S23	15	(US-20060088239-\$ or US-20030048975-\$).did. or (US-4878723-\$ or US-6278822-\$ or US-6787919-\$ or US-6870979-\$ or US-5173956-\$ or US-6351578-\$ or US-5117470-\$ or US-7194176-\$ or US-6215918-\$ or US-7171064-\$ or US-6842545-\$ or US-6236774-\$ or US-6882760-\$).did.	US-PGPUB; USPAT	OR	ON	2008/01/16 18:10
S24	174	("20030021514"   "3666552"   "4111521"   "4260095"   "4322453"   "4447116"   "4546244"   "4635082"   "4690488"   "4753505"   "4767170"   "4775207"   "4795225"   "4820009"   "4840446"   "4940305"   "4943133"   "5009483"   "5016958"   "5040879"   "5058972"   "5061048"   "5066086"   "5107538"   "5117470"   "5138687"   "5146518"   "5148505"   "5173956"   "5237629"   "5319482"   "5321782"   "5416872"   "5418868"   "5544268"   "5623566"   "5652807"   "5726730"   "5828799"   "5887116"   "5892859"   "5930414"   "5940548"   "6022671"   "6047098"   "6084050"   "6122416"   "6144779"   "6201918"   "6208798"   "6233382"   "6236774"   "6246809"   "6246815"   "6253015"   "6271952"   "6282335"   "6304687"   "6321011"   "6384473"   "6400855"   "6449417"   "6463186"   "6466707"   "6493478"   "6538787"   "6546173"   "6580862"   "6656528"   "6658174"   "6748142"   "6801721").PN. OR ("2003/0048975"   "2006/0088239"   "4878723"   "5117470"   "5173956"   "6215918"   "6236774"   "6278822"   "6351578"   "6787919"   "6842545"   "6870979"   "6882760"   "7171064"   "7194176").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/16 18:11
S25	6	S23 and ((adjust\$4 vary\$3 vari\$3 control\$4) near7 (signal current power voltage temperature)) same (electrode heater) same ((amplitude refractive phase) near12 (differ\$7 difference equal "same"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 18:26

## EAST Search History

S26	15	S24 and ((adjust\$4 vary\$3 vari\$3 control\$4) near7 (signal current power voltage temperature)) same (electrode heater) same ((amplitude refractive phase) near12 (differ\$7 difference equal "same"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/16 18:16
S27	3	("4635082", "5544268", "6351578").pn.	USPAT	OR	ON	2008/01/17 10:02
S28	1	"20020037129"	US-PGPUB	OR	ON	2008/01/17 10:12